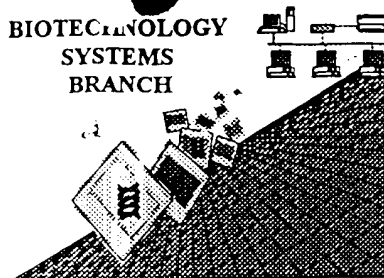


## RAW SEQUENCE LISTING ERROR REPORT

BIOTECHNOLOGY  
SYSTEMS  
BRANCH



DND

The Biotechnology Systems Branch of the Scientific and Technical Information Center (STIC) detected errors when processing the following computer readable form:

Application Serial Number: 09/831,683  
Source: PJ/09  
Date Processed by STIC: 9/13/2001

THE ATTACHED PRINTOUT EXPLAINS DETECTED ERRORS.

PLEASE FORWARD THIS INFORMATION TO THE APPLICANT BY EITHER:

- 1) INCLUDING A COPY OF THIS PRINTOUT IN YOUR NEXT COMMUNICATION TO THE APPLICANT, WITH A NOTICE TO COMPLY or,
- 2) TELEPHONING APPLICANT AND FAXING A COPY OF THIS PRINTOUT, WITH A NOTICE TO COMPLY

FOR CRF SUBMISSION QUESTIONS, PLEASE CONTACT MARK SPENCER, 703-308-4212.

FOR SEQUENCE RULES INTERPRETATION, PLEASE CONTACT ROBERT WAX, 703-308-4216.

PATENTIN 2.1 e-mail help: [patin2help@uspto.gov](mailto:patin2help@uspto.gov) or phone 703-306-4119 (R. Wax)

PATENTIN 3.0 e-mail help: [patin3help@uspto.gov](mailto:patin3help@uspto.gov) or phone 703-306-4119 (R. Wax)

TO REDUCE ERRORED SEQUENCE LISTINGS, PLEASE USE THE CHECKER VERSION 3.0 PROGRAM, ACCESSIBLE THROUGH THE U.S. PATENT AND TRADEMARK OFFICE WEBSITE. SEE BELOW:

### Checker Version 3.0

The Checker Version 3.0 application is a state-of-the-art Windows based software program employing a logical and intuitive user-interface to check whether a sequence listing is in compliance with format and content rules. Checker Version 3.0 works for sequence listings generated for the original version of 37 CFR §§1.821 – 1.825 effective October 1, 1990 (old rules) and the revised version (new rules) effective July 1, 1998 as well as World Intellectual Property Organization (WIPO) Standard ST.25.

Checker Version 3.0 replaces the previous DOS-based version of Checker, and is Y2K-compliant. Checker allows public users to check sequence listings in Computer Readable form (CRF) before submitting them to the United States Patent and Trademark Office (USPTO). Use of Checker prior to filing the sequence listing is expected to result in fewer errored sequence listings, thus saving time and money.

Checker Version 3.0 can be down loaded from the USPTO website at the following address:

<http://www.uspto.gov/web/offices/pac/checker>

PCT09

## RAW SEQUENCE LISTING

PATENT APPLICATION: US/09/831,683

DATE: 09/13/2001

TIME: 17:43:18

Input Set : A:\BB1270 PCT Seq List.txt

Output Set: N:\CRF3\09132001\I831683.raw

Does Not Comply  
Corrected Diskette Needed

3 <110> APPLICANT: E. I. du Pont de Nemours and Company  
 5 <120> TITLE OF INVENTION: Plant Aminoacyl-tRNA Synthetases  
 7 <130> FILE REFERENCE: BB1270  
 9 <140> CURRENT APPLICATION NUMBER: US/09/831,683  
 10 <141> CURRENT FILING DATE: 2001-08-15  
 12 <150> PRIOR APPLICATION NUMBER: 60/107,789  
 W--> 13 <151> PRIOR FILING DATE: 1998-November-10  
 E--> 15 <160> NUMBER OF SEQ ID NOS: 22  
 17 <170> SOFTWARE: Microsoft Office 97

1998-11-10 ← use this format

see below

## ERRORED SEQUENCES

2017 <210> SEQ ID NO: 38  
 2018 <211> LENGTH: 46  
 2019 <212> TYPE: PRT  
 2020 <213> ORGANISM: Triticum sp.  
 2022 <220> FEATURE:  
 2023 <221> NAME/KEY: UNSURE  
 2024 <222> LOCATION: (38)  
 2026 <400> SEQUENCE: 38  
 2027 Ile Arg Leu Ser Ser Arg Lys Val Leu Gln Ala Val Leu Asp Met Tyr  
 2028 1 5 10 15  
 2030 Ser Val Pro Gln His Leu Phe Thr Gln Val Cys Val Ile Val Asp Lys  
 2031 20 25 30  
 W--> 2033 Leu Gly Lys Leu Ser Xaa Glu Glu Ile Glu Lys Glu Leu Ile  
 2034 35 40 45  
 E--> 2036 35

delete

Use of n and/or Xaa has been detected in the Sequence Listing.  
 Review the Sequence Listing to determine corresponding  
 information presented in the <220> to <223> fields of  
 each sequence using n or Xaa.

## VERIFICATION SUMMARY

PATENT APPLICATION: US/09/831,683

DATE: 09/13/2001

TIME: 17:43:20

Input Set : A:\BB1270 PCT Seq List.txt

Output Set: N:\CRF3\09132001\I831683.raw

L:9 M:270 C: Current Application Number differs, Replaced Application Number  
L:10 M:271 C: Current Filing Date differs, Replaced Current Filing Date  
L:13 M:256 W: Invalid Numeric Header Field, Wrong Prior FILING DATE:YYYY-MM-DD  
L:646 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11  
L:646 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:647 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11  
L:647 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:651 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:11  
L:651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:11  
L:711 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:12  
L:711 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:12  
L:934 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15  
L:934 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:938 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15  
L:938 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:939 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15  
L:939 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:940 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:15  
L:940 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:15  
L:965 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:16  
L:965 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:968 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:16  
L:968 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:16  
L:1143 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19  
L:1143 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19  
L:1153 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19  
L:1153 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19  
L:1154 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19  
L:1154 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19  
L:1155 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:19  
L:1155 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:19  
L:1179 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:20  
L:1179 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20  
L:1215 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:20  
L:1215 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20  
L:1221 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:20  
L:1221 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:20  
L:1361 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:23  
L:1361 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:1364 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:23  
L:1364 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:1365 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:23  
L:1365 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:1366 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:23  
L:1366 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:1367 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:23  
L:1367 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:1368 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:23

## VERIFICATION SUMMARY

DATE: 09/13/2001

PATENT APPLICATION: US/09/831,683

TIME 17:43:20

Input Set : A:\BB1270 PCT Seq List.txt

Output Set: N:\CRF3\09132001\I831683.raw

L:1368 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:23  
L:1403 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:24  
L:1403 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:1415 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:24  
L:1415 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:1427 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:24  
L:1427 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:24  
L:1520 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:25  
L:1520 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:1522 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:25  
L:1522 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:1523 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:25  
L:1523 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:1524 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:25  
L:1524 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:1525 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:25  
L:1525 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:25  
L:1546 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:26  
L:1546 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:26  
L:1602 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:27  
L:1602 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:1604 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:27  
L:1604 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:1606 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:27  
L:1606 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:1607 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:27  
L:1607 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:1608 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:27  
L:1608 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:27  
L:1648 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:28  
L:1648 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28  
L:1651 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:28  
L:1651 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28  
L:1657 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:28  
L:1657 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28  
L:1663 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:28  
L:1663 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28  
L:1666 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:28  
L:1666 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:28  
L:1755 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:29  
L:1755 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29  
L:1756 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:29  
L:1756 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29  
L:1757 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:29  
L:1757 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29  
L:1758 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:29  
L:1758 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29  
L:1759 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:29  
L:1759 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:29

## VERIFICATION SUMMARY

DATE: 09/13/2001

PATENT APPLICATION: US/09/831,683

TIME 17:43:20

Input Set : A:\BB1270 PCT Seq List.txt

Output Set: N:\CRF3\09132001\I831683.raw

L:1797 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:31  
L:1797 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31  
L:1798 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:31  
L:1798 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:31  
L:1873 M:258 W: Mandatory Feature missing, <223> not found for SEQ ID#:33  
L:1873 M:341 W: (46) "n" or "Xaa" used, for SEQ ID#:33  
L:2036 M:332 E: (32) Invalid/Missing Amino Acid Numbering, SEQ ID:38  
L:15 M:203 E: No. of Seq. differs, <160> Number Of Sequences:Input (22) Counted (38)